

JPOXMLDOC01-seq1.app  
 SEQUENCE LISTING

<110> Japan Science and Technology Agency

<120> Genetic markers that link to the QTL of resistance to  
 barley yellow mosaic virus, and usage thereof

<130> A181-10PCT

<150> JP 2004-090644  
 <151> 2004-3-25

<150> JP 2004-342737  
 <151> 2004-11-26

<160> 62

<170> PatentIn Ver. 2.1

<210> 1  
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 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
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<210> 2  
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 <223> Description of Artificial Sequence:Artificially  
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<210> 3  
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 <223> Description of Artificial Sequence:Artificially  
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<210> 4  
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<220>  
 <223> Description of Artificial Sequence:Artificially  
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<400> 4

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20

&lt;210&gt; 5

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

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ctgtttggat gactgcgaga

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&lt;210&gt; 6

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:Artificially  
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&lt;210&gt; 7

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

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&lt;210&gt; 8

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Artificial Sequence

&lt;220&gt;

<223> Description of Artificial Sequence:Artificially  
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&lt;400&gt; 8

agtcggaaca tgcggtacac

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&lt;210&gt; 9

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 9

atcttcigca ggcacttgtc g

21

&lt;210&gt; 10

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

<400> 10  
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<210> 11  
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<212> DNA  
<213> Hordeum vulgare

<400> 11  
tgccgtggcc gtgcacgatg a 21

<210> 12  
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<213> Hordeum vulgare

<400> 12  
tgccgtggcc atgcacgatg a 21

<210> 13  
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<212> DNA  
<213> Hordeum vulgare

<400> 13  
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<210> 14  
<211> 21  
<212> DNA  
<213> Hordeum vulgare

<400> 14  
attactcagc cacacaccta t 21

<210> 15  
<211> 688  
<212> DNA  
<213> Hordeum vulgare

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aagcgctcc gcatgcccct tggatgaat 688

<210> 16  
<211> 645  
<212> DNA  
<213> Hordeum vulgare

<400> 16  
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## JPOXMLDOC01-seql.app

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<220>  
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 <222> (10, 24, 30)

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catccaattc ttagcgaccg acgagatgtt ttcatcgttg ttgttagtaa cacaaaacag 180
agtagactgt ttggatgact gcgagaagta agccaatagc agctgccatg agcccaacgg 240
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tgacaccctt ctgcctcatg gccccgggcg ttgaac 696

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<210> 18  
 <211> 738  
 <212> DNA  
 <213> Hordeum vulgare

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<400> 18
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tattgatgaa acagatatca caattacca ttacggcatt acttacctag ttgatgcaa 420
agaaacttaa taatatctaa gaaactatcc acctaggaa tgaccagaga agctgagatg 480
atgaattgga aggagtcaaa tacagaaccc attttttagt tatagtiaca aaattttagg 540
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gaaacagatt tcttttaaca aataagaatt cgactactcc ttagatatct aaagatggat 660
gacgtagcca gataccaigt agaacactga aaaggcgtgt accgcatgtt ccgactgaag 720
actatcaatc atggttaag 738

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<210> 19  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
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<400> 19  
 acgatcgatc aaaaggacca

<210> 20  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
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<400> 20  
aatccgacga aatcaacgag 20

<210> 21  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
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<400> 21  
ctcgatcatc agcgacttca 20

<210> 22  
<211> 20  
<212> DNA  
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<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 22  
gaagaggcac cttctgcaac 20

<210> 23  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
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<400> 23  
aatgtgcaca ccaaggttga 20

<210> 24  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
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<400> 24  
agacaacaac cgctgtacc 20

<210> 25

<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
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<400> 25  
gatgagtcct gagtaaacc

19

<210> 26  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 26  
gactgcgtac caattcagc

19

<210> 27  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 27  
tccagccgaa caatttcttg

20

<210> 28  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 28  
agtactccga caccagtc

20

<210> 29  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 29  
gatgagtcct gagtaaatt

19

<210> 30  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 30  
gactgcgtac caattcacg

19

<210> 31  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 31  
gatgagtcct gagtaaata

19

<210> 32  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 32  
gactgcgtac caattcgga

19

<210> 33  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
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<400> 33  
atggacccaa caagtggaag

20

<210> 34  
<211> 20  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 34  
aggaagactt tggaggccat

20

<210> 35  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially

synthesized primer sequence

<400> 35  
gatgagtcct gagtaatgg 19

<210> 36  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 36  
gactgcgtac caattcgga 19

<210> 37  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 37  
gatgagtcct gagtaacaa 19

<210> 38  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
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<400> 38  
gactgcgtac caattcggg 19

<210> 39  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
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<400> 39  
gatgagtcct gagtaaacg 19

<210> 40  
<211> 19  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence

<400> 40



gactgcgtac caattccat

19

<210> 41

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 41

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19

<210> 42

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 42

gactgcgtac caattcata

19

<210> 43

<211> 19

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 43

gatgagtcct gagtaaacg

19

<210> 44

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 44

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19

<210> 45

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 45

gatgagtcct gagtaaacg

19

<210> 46  
<211> 19  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:Artificially  
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<400> 46  
gactgcgtac caattcgga 19  
  
<210> 47  
<211> 16  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
<223> Description of Artificial Sequence:Artificially  
synthesized primer sequence  
  
<400> 47  
gacgatgagt cctgag 16  
  
<210> 48  
<211> 14  
<212> DNA  
<213> Artificial Sequence  
  
<220>  
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synthesized primer sequence  
  
<400> 48  
tactcaggac tcac 14  
  
<210> 49  
<211> 17  
<212> DNA  
<213> Artificial Sequence  
  
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synthesized primer sequence  
  
<400> 49  
ctcgtagact gcgtacc 17  
  
<210> 50  
<211> 18  
<212> DNA  
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<223> Description of Artificial Sequence:Artificially  
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<400> 50  
aattggtacg cagtctac 18  
  
<210> 51  
<211> 16  
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 51

gatgagtcct gagtaa

16

<210> 52

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:Artificially synthesized primer sequence

<400> 52

gacigcgtac caattc

16

<210> 53

<211> 664

<212> DNA

<213> Hordeum vulgare

<220>

<221> unsure

<222> (10)

<400> 53

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<210> 54

<211> 545

<212> DNA

<213> Hordeum vulgare

<400> 54

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<210> 55

<211> 21

<212> DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 55

cttatgtgat cataatactig c

21

&lt;210&gt; 56

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 56

cttatgtgat aataatactig c

21

&lt;210&gt; 57

&lt;211&gt; 514

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 57

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&lt;210&gt; 58

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 58

agccttccac tggtatcatt t

21

&lt;210&gt; 59

&lt;211&gt; 21

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;400&gt; 59

agccttccac cggtatcatt t

21

&lt;210&gt; 60

&lt;211&gt; 540

&lt;212&gt; DNA

&lt;213&gt; Hordeum vulgare

&lt;220&gt;

&lt;221&gt; unsure

&lt;222&gt; (2)

&lt;400&gt; 60

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gaagttaggc ggcattggcct ccaaagtcct cctcatcaat cttcagcaga tgtgcatagt 360
acaaatgaac tattacggtg gaaatagtaa agaattaggc gatccagaag gcgcccacga 420
gggggacggc gccccagagc agggccgagg cgagccccac cgccctgccg atccagtgca 480

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<213> Hordeum vulgare

<400> 61  
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<210> 62  
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<400> 62  
tttatgtgcc ggtagcggtt g 21